

Date: Sun, 3 Jul 94 03:05:18 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #735
To: Info-Hams

Info-Hams Digest Sun, 3 Jul 94 Volume 94 : Issue 735

Today's Topics:

AEA IsoLoop - Opinion (2 msgs)
 Best dual-band HT antenna
 Bitching and Moaning
Call-Sign Prefixes (3 msgs)
 FCC Address?
 FD report NC7K 0B NV
FIELD DAY 1994 REPORT
IPS Daily Report - 02 July 94
 ORBS\$182.MICRO.AMSAT
 Please Informations...
Temp. Conversion Chart: F
Temp. Conversion Chart F & C?
Test-to-license-in-hand time
Yaesu FRG-9600 Mods Wanted

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 29 Jun 1994 20:54:00 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!howland.reston.ans.net!agate!
iat.holonet.net!michaelr!ray.wade@network.ucsd.edu
Subject: AEA IsoLoop - Opinion
To: info-hams@ucsd.edu

On 06-28-94 DAVE BUSHONG wrote to ALL...

DB> Subject: Re: AEA IsoLoop - Opinion

As to results with an IsoLoop, that fits better!

K5JCM

On 06-28-94 CHRIS THOMAS wrote to ALL...

Is this an acting job Chris? Where are you playing? I'll buy a ticket!

CT> "dummy load".
CT>
CT> -- 73 de Chris Thomas, AA6SQ (ex-WA6HTJ) (CSMSCST@MVS.OAC.UCLA.EDU)
CT> (DXCC/mixed, DXCC/CW, DXCC/SSB, DXCC/10m, DXCC/RTTY, and 39 of 40
CT> for WAZ, on my "doesn't work" Isolooop)

K5JCM

* OFFLINE 1.56 * Press ESC twice for BBS - ALT-H for intelligence test.

.....

Date: Sun, 3 Jul 1994 04:55:00 GMT
From: ihnp4.ucsd.edu!pacbell.com!sgiblab!spool.mu.edu!howland.reston.ans.net!
gatech!udel!news2.sprintlink.net!news.sprintlink.net!IndyNet!slipuser5.indy.net!
user@network.ucsd.edu
Subject: Best dual-band HT antenna
To: info-hams@ucsd.edu

> |> I have lost my handheld antenna for the second time. I would
> |> like to know which short duck antenna has would perform the best
> |> with my Alinco 580. I have heard that the one Larson makes is
> |> pretty good. I have also heard that the factory supplied antenna
> |> is pretty much a dummy load.
> |>

The best (reasobably sized) dual band antenna is the antenna that comes with the Standard dual band radios. They can be purchased separately from a dealer and sometimes be found at Hamfests (I paid \$10 for mine) The factory antenna on the 580 really stinks on two meters (it is okay on 440) and I would recommend that it be replaced even if you CAN find it. I would guess that the Standard antenna improves performance by at least 10 db if not 20 on 2m.

The Larsen is also very good and probably easier to find.

--
Dave Gingrich, K9DC
Fishers, Indiana
Lockman Mills & Associates
gingrich@indy.net

Date: Wed, 29 Jun 1994 20:33:00 GMT

>N8/SV2ABQ

>

>It could have easily been W8/SV2ABQ or K8/SV2ABQ !!!

>(As courtesy to the country you are visiting you precede your

>callsign with its prefix)

>

Except in the case of the US and Canada, where the reciprocity treaty specifies that the prefix goes after your callsign, not before.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: Sat, 02 Jul 1994 14:21:42 GMT

From: ihnp4.ucsd.edu!mvp.saic.com!news.cerf.net!usc!howland.reston.ans.net!

spool.mu.edu!caen!malgudi.oar.net!witch!doghouse!jsalemi@network.ucsd.edu

Subject: Call-Sign Prefixes

To: info-hams@ucsd.edu

In article <2v1rjm\$nk0@cville-srv.wam.umd.edu>, Scott Richard Rosenfeld (ham@wam.umd.edu) writes:

> VE3/NF3I, as I'm operating in Canada but using my own call.

>

>Similarly, when a VE station (VE#XXX) is in Michigan (8-land), he would
>sign W8/VE#XXX, NOT VE#XXX/W8. Just the legalities of it; it doesn't
>really matter to which which anybody actually does, as the general idea
>still comes across.

Sorry, Scott, but you've got it backwards. The treaty between the US and Canada specifies that the district goes AFTER the call, not before (the opposite of how the rest of the world does it). So the legalities in this case are reversed from normal procedure. See Appendix 4 in the ARRL's "FCC Rule Book" for the full text of the US/Canada treaty.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: Sat, 02 Jul 1994 14:19:10 GMT
From: ihnp4.ucsd.edu!mvp.saic.com!news.cerf.net!usc!howland.reston.ans.net!
spool.mu.edu!caen!malgudi.oar.net!witch!doghouse!jsalemi@network.ucsd.edu
Subject: Call-Sign Prefixes
To: info-hams@ucsd.edu

In article <48038@mindlink.bc.ca>, Graham Butler (Graham_Butler@mindlink.bc.ca) writes:

> I am going to be travelling through the U.S. this summer, and I
> already posted a message asking whether my Canadian Amateur license is good
> in the U.S. as well, to which the answer was Yes. Apparently I have to
> identify myself with my callsign followed by the prefix followed by "\ <and
> then the prefix of the area that I'm in" How do I know what the prefix
> should be? The ARRL handbook just says that the U.S. callsign prefixes are
> between "WAA-WZZ"!

> Graham

There are 10 callsign districts in the US, so it would be easier if you let us know which states you'll be in than to list all the states in each district. <g>

One good hint is to listen to the repeaters in the area you're in; you'll hear a predominance of a certain number. Also, the repeater ID will give you a clue what district you're in, though this isn't always reliable since US hams don't have to change their callsign when they move anymore.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: Wed, 29 Jun 1994 20:23:00 GMT
From: ihnp4.ucsd.edu!mvp.saic.com!news.cerf.net!usc!howland.reston.ans.net!agate!
iat.holonet.net!michaelr!ray.wade@network.ucsd.edu
Subject: FCC Address?
To: info-hams@ucsd.edu

On 06-27-94 GLENN MEADER wrote to ALL...

GM> I need to renew my license. I got a 610 form - now what's
GM> the correct address to send it to at the FCC?

Its ON THE FORM at the the top.

K5JCM

* OFFLINE 1.56 * When right, be logical. When wrong, be-fuddle.

.....

Date: Sat, 2 Jul 94 10:27:00 -0800
From: ihnp4.ucsd.edu!pacbell.com!sgiblab!cs.uoregon.edu!usenet.ee.pdx.edu!
fastrac.llnl.gov!lll-winken.llnl.gov!overload.lbl.gov!agate!iat.holonet.net!
megasys!tim.marek@network.ucsd.edu
Subject: FD report NC7K 0B NV
To: info-hams@ucsd.edu

Had a interesting thought... If all VHF and Sat Qs dont count towards
your total number of transmitters what category is a VHF only field day
in? 0A, 0B, etc??? For FD I was VHF only from 8300 FT Virginia Peak
here in DM09 near Reno, NV.

Using SSB/CW I worked 128 Qs on 50, 144, and 432 Mhz. Managed 2 Sat Qs
through A021 when it was on the horizon. 6M was FANTASTIC Sunday A.M.
with double hop Es to W3 land at time 20 - 40 DB over S9!. Before then I
needed WV as a new state and now have worked 10 WV stations. Rumor has
it that 2M Es was happening out in the midwest about the same time.

Local club group never checked 10M! With all the Es Sunday they would
have raked in the Qs. Just proves the point to NEVER ASSUME ANYTHING!

Look for me next weekend from the rare grid of DM19 in the CQ WW VHF WPX
contest. 73's ... Tim, NC7K... sk

Date: Fri, 1 Jul 1994 22:59:02 GMT
From: spsgate!mogate!newsgate!news@uunet.uu.net
Subject: FIELD DAY 1994 REPORT
To: info-hams@ucsd.edu

In article <1JUL199414342767@elroy.uh.edu> st4j9@elroy.uh.edu (Fanelli, David
A.) writes:

> ...

> How did you operate a 9A station? I coordinated the Clear Lake ARC's Field

> Day using 5A with a Novice/Tech + and OSCAR (145MHz and 430MHz) and we had
> terrible interference between the HF rigs-- if you were monitoring on one
> band and another station keyed up, you heard "CQ Field Day" from the
> nearby transceiver that would swamp out any other signal you were trying to
> receive.

>

We ran 6A without too many problems. We had 3 SSB stations running into G5RV's
and 3 CW stations running into verticals. We worked a 12A somewhere. I can't
imagine coordinating 12 stations. Then again, it seems I remember a 16A last
year but that might have been an early morning hallucination.

73... Mark AA7TA

Date: Sun, 3 Jul 1994 00:33:25 GMT

From: ihnp4.ucsd.edu!sdd.hp.com!spool.mu.edu!agate!msuinfo!

harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!ipso!rwc@network.ucsd.edu

Subject: IPS Daily Report - 02 July 94

To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT

ISSUED AT 2/2330Z JULY 1994 BY IPS RADIO AND SPACE SERVICES

FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.

SUMMARY FOR 2 JULY AND FORECAST UP TO 5 JULY

IPS Disturbance Warning 17 was issued on 22 June and is current for
the period 24 June to 4 July

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 083/024

GOES satellite data for 1 July

Daily Proton Fluence >1 MeV: 3.3E+06

Daily Proton Fluence >10 MeV: 1.8E+04

Daily Electron Fluence >2 MeV: 5.0E+08

X-ray background: A8.1

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	03 July	04 July	05 July
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 084/026

1C. SOLAR COMMENT

None.

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: unsettled to active

Estimated Indices :	A	K	Observed A Index 1 July
Learmonth	19	3434 4333	
Fredericksburg	25		24
Planetary	25		22

Observed Kp for 1 July: 4454 3334

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
03 Jul	20	Unsettled to active.
04 Jul	15	Unsettled to active.
05 Jul	10	Quiet to unsettled.

2C. MAGNETIC COMMENT

Magnetic activity is expected to decline from 5 July onwards.

3A. GLOBAL HF PROPAGATION SUMMARY

DATE	LATITUDE BAND		
	LOW	MIDDLE	HIGH
02 Jul	normal	fair-normal	poor-fair

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

DATE	LATITUDE BAND		
	LOW	MIDDLE	HIGH
03 Jul	normal	fair-normal	poor-fair
04 Jul	normal	fair-normal	poor-fair
05 Jul	normal	normal	fair

3C. GLOBAL HF PROPAGATION COMMENT

NONE.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were near predicted monthly values

Observed T index for 02 July: 22

Predicted Monthly T Index for July is 30.

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE T-index MUFs

03 Jul 30 Near predicted monthly values.
04 Jul 30 Near predicted monthly values.
05 Jul 25 Near predicted monthly values.

4C. AUSTRALIAN REGION COMMENT

Intermittent Sporadic E layer was observed yesterday. Occasional Sporadic E layer and Spread F may degrade local propagations conditions today.

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
email: rwc@ips.oz.au fax: +61 2 4148331	PO Box 5606
RWC Duty Forecaster tel: +61 2 4148329	West Chatswood NSW 2057
Recorded Message tel: +61 2 4148330	AUSTRALIA

Date: 1 Jul 94 20:17:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$182.MICRO.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-182.D
Orbital Elements 182.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM WA5QGD FORT WORTH,TX July 1, 1994
BID: \$ORBS-182.D
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time: 94181.17094406
Element set: 6
Inclination: 98.5888 deg
RA of node: 265.7706 deg
Eccentricity: 0.0011270
Arg of perigee: 148.7156 deg
Mean anomaly: 211.4700 deg
Mean motion: 14.29848006 rev/day
Decay rate: 1.2e-07 rev/day^2
Epoch rev: 23144
Checksum: 288

Satellite: A0-16
Catalog number: 20439
Epoch time: 94178.21712155

Element set: 804
Inclination: 98.5981 deg
RA of node: 264.1007 deg
Eccentricity: 0.0011033
Arg of perigee: 158.0706 deg
Mean anomaly: 202.0949 deg
Mean motion: 14.29901614 rev/day
Decay rate: 1.0e-07 rev/day^2
Epoch rev: 23103
Checksum: 269

Satellite: D0-17

Catalog number: 20440
Epoch time: 94178.24044877
Element set: 804
Inclination: 98.5990 deg
RA of node: 264.4494 deg
Eccentricity: 0.0011506
Arg of perigee: 157.3761 deg
Mean anomaly: 202.7928 deg
Mean motion: 14.30041300 rev/day
Decay rate: 1.7e-07 rev/day^2
Epoch rev: 23105
Checksum: 287

Satellite: W0-18

Catalog number: 20441
Epoch time: 94181.15467102
Element set: 807
Inclination: 98.5977 deg
RA of node: 267.3273 deg
Eccentricity: 0.0012054
Arg of perigee: 149.3828 deg
Mean anomaly: 210.8060 deg
Mean motion: 14.30015655 rev/day
Decay rate: 1.0e-08 rev/day^2
Epoch rev: 23147
Checksum: 283

Satellite: L0-19

Catalog number: 20442
Epoch time: 94178.75317896
Element set: 803
Inclination: 98.5991 deg
RA of node: 265.2158 deg
Eccentricity: 0.0012241
Arg of perigee: 155.8695 deg
Mean anomaly: 204.3055 deg

Mean motion: 14.30111899 rev/day
Decay rate: 3.1e-07 rev/day^2
Epoch rev: 23114
Checksum: 309

Satellite: UO-22

Catalog number: 21575
Epoch time: 94181.15732371
Element set: 508
Inclination: 98.4344 deg
RA of node: 255.3931 deg
Eccentricity: 0.0006801
Arg of perigee: 252.7171 deg
Mean anomaly: 107.3281 deg
Mean motion: 14.36921644 rev/day
Decay rate: 4.6e-07 rev/day^2
Epoch rev: 15494
Checksum: 295

Satellite: K0-23

Catalog number: 22077
Epoch time: 94181.22418147
Element set: 403
Inclination: 66.0834 deg
RA of node: 252.6851 deg
Eccentricity: 0.0014564
Arg of perigee: 283.4501 deg
Mean anomaly: 76.4893 deg
Mean motion: 12.86286916 rev/day
Decay rate: -3.7e-07 rev/day^2
Epoch rev: 8846
Checksum: 315

Satellite: A0-27

Catalog number: 22825
Epoch time: 94179.73033811
Element set: 301
Inclination: 98.6528 deg
RA of node: 255.4221 deg
Eccentricity: 0.0008353
Arg of perigee: 170.1806 deg
Mean anomaly: 189.9539 deg
Mean motion: 14.27627600 rev/day
Decay rate: -1.0e-08 rev/day^2
Epoch rev: 3933
Checksum: 300

Satellite: IO-26

Catalog number: 22826
Epoch time: 94179.21993428
Element set: 301
Inclination: 98.6522 deg
RA of node: 254.9542 deg
Eccentricity: 0.0008849
Arg of perigee: 173.5876 deg
Mean anomaly: 186.5418 deg
Mean motion: 14.27731640 rev/day
Decay rate: -3.0e-08 rev/day^2
Epoch rev: 3926
Checksum: 333

Satellite: K0-25
Catalog number: 22830
Epoch time: 94179.22798762
Element set: 306
Inclination: 98.5529 deg
RA of node: 252.0960 deg
Eccentricity: 0.0012037
Arg of perigee: 140.4552 deg
Mean anomaly: 219.7507 deg
Mean motion: 14.28058431 rev/day
Decay rate: 2.2e-07 rev/day^2
Epoch rev: 3927
Checksum: 303

/EX

Date: Wed, 29 Jun 1994 20:46:00 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!howland.reston.ans.net!agate!
iat.holonet.net!michaelr!ray.wade@network.ucsd.edu
Subject: Please Informations...
To: info-hams@ucsd.edu

On 06-28-94 MARCOS AURELIO wrote to ALL...

MA> Subject: Please Informations...
MA> Date: 28 Jun 94 16:48:00 GMT
MA> Message-ID: <4a.30961.40.0CE9C924@ax.apc.org>
MA> Organization: Hot-Line BBS - +55-21-537-1603 - Rio/BRAZIL
MA>
MA> Please send me informations.

If you get some, send me your leftovers.

K5JCM

* OFFLINE 1.56 * Humanity - one big dysfunctional family

.....

Date: Wed, 29 Jun 94 10:47:00 -0800

From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!overload.lbl.gov!
agate!iat.holonet.net!alley!john.hiatt@network.ucsd.edu

Subject: Temp. Conversion Chart: F

To: info-hams@ucsd.edu

AW>Does anyone know of a source for a quick temperature conversion chart
AW>between F and C? I can't recall the formula (or where to find it), and
AW>would just like a way to rapidly convert between the two scales when
AW>in QSO.

To convert from C to F multiply the C temperature time 1.8 and add 32.
So that would be:

$(C * 1.8) + 32 = F$

$(F - 32) / 1.8 = C$

Those should work.

* OLX 2.1 TD * I was on a roll, till I slipped on the butter.

Date: 3 Jul 94 02:45:23 GMT

From: news-mail-gateway@ucsd.edu

Subject: Temp. Conversion Chart F & C?

To: info-hams@ucsd.edu

>In article <2urr2v\$7j3@news.iastate.edu> wjturner@iastate.edu writes:

>[in response to a request for Fahrenheit to Celsius conversion table...]

>>C = (5 / 9)*(F - 32)

>Okay, 98.6 F (average human body temperature) equals 37 C (approximately).

>BUT...

>>(C - 40) = (5 / 9)*(F - 40)

No. This should be:
9c-40=5(F-40)
This is not algebraically equivalent.

--

David L. Wilson INTERNET: dwilson@s850.mwc.edu
Phone: (703)898-1084 (H) Amateur callsign: AC4IU G.S.: FM18fg

Date: 3 Jul 1994 04:57:32 -0400
From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!
montego!not-for-mail@ames.arpa
Subject: Test-to-license-in-hand time
To: info-hams@ucsd.edu

Passed test: Feb 12

Issued: April 28

Received in mail: May 6

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.....
Matt Rupert - 2984 Pheasant Run Dr. Apt D - Jackson MI 49202 - hoagy@ais.org
Personal Security / UNIX Enthusiast / Amateur Radio - KB8SGL
Which is worse: ignorance or apathy? Who knows? Who cares?

Date: 29 Jun 1994 23:50:27 GMT
From: eng.iac.honeywell.com!ws07.iac.honeywell.com!dphillips@uunet.uu.net
Subject: Yaesu FRG-9600 Mods Wanted
To: info-hams@ucsd.edu

Does anyone have information on HF/Scan Rate mods for the Yaesu FRG-9600 VFH
Receiver ?

There was a kit some time ago that added HF to this radio, and I would be
interested in
any information regarding it or any other modifications to this radio.

Thanks in advance

Dave

--

Dave Phillips

Phoenix, AZ, USA
dphillips@WS07.iac.honeywell.com
KB7JS

| "Takeoffs are optional,
| Landings are mandatory,
| Pilot error is not an accident,
| All airplanes have personalities."

End of Info-Hams Digest V94 #735
